

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/022350

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B24D5/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B24D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 1 109 177 A (TECH NOUVELLES SOC D) 23 January 1956 (1956-01-23)	1, 4, 6, 8, 31, 34, 38, 39, 41-44, 48-50, 55
Y	the whole document	5, 9-11, 21, 22, 24, 35, 36, 45, 50, 51, 62, 66-68
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

B document member of the same patent family

Date of the actual completion of the international search

19 October 2004

Date of mailing of the international search report

26/10/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 247 765 A (QUINTANA JESUS B) 28 September 1993 (1993-09-28) column 3, line 40 - column 6, line 65; figures 1-5	5,9-11, 21,22, 24,35, 36,45, 50,51, 62,66-68
A	EP 0 530 536 A (SWAROVSKI TYROLIT SCHLEIF) 10 March 1993 (1993-03-10)	
A	FR 1 163 859 A (S I B SA) 2 October 1958 (1958-10-02)	

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
FR 1109177	A	23-01-1956	NONE	
US 5247765	A	28-09-1993	NONE	
EP 0530536	A	10-03-1993	AT 128660 T DE 59203890 D1 EP 0530536 A1	15-10-1995 09-11-1995 10-03-1993
FR 1163859	A	02-10-1958	NONE	